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TITLE : METHOD FOR STABILIZING MATERIAL FOR IMMUNOSASSAY

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ABSTRACT : PURPOSE: To decrease the deactivation of antibodies and to allow the long-term preservation of the antibodies by cleaning a carrier combined with the antibodies with a cleaning liquid contg. a stabilizer.

CONSTITUTION: The carrier combined with, for example, polyclonal antibodies, monoclonal antibodies, etc., is cleaned with the cleaning liquid contg. the stabilizer and is then freeze-dried. The cleaning in this case merely involves immersing of the carrier into the cleaning liquid and separating the liquid and the carrier and, therefore, the smaller amt. of the stabilizer to be used is necessitated. The freeze drying is executed by freezing the material for 2 to 24 hours in an incubator kept at, for example, -80 to -20°C in an ordinary manner, then drying the material for 3 to 16 hours at -20 to 0°C under 0.01 to 0.2Torr reduced pressure and further, drying the material for 2 to 4 hours at room temp. monosaccharides, such as glucose and fructose, disaccharides, such as cane sugar and lactic sugar, or dextran, polyvinyl pyrrolidone, etc., are used as the stabilizer. A physiological salt soln., a buffer soln. having pH to avert the denaturation of the combined antibodies, etc., are used.

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